



Image may be representation.
See specifications for product details.



S912XEQ512BVAG

Manufacturer Part Number	S912XEQ512BVAG
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-S912XEQ512BVAG
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 512KB FLASH 144LQFP
Package	144-LQFP
Data sheet	MC912XEP100 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

S912XEQ512BVAG - NXP USA Inc..New Original in Stock. Download Linear Technology S912XEQ512BVAG datasheet/specifications on AllelcoElec.com.
Request a quote for S912XEQ512BVAG, please send us email: info@allelco.com

Specifications

S912XEQ512BVAG Tech Specifications

S912XEQ512BVAG - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	119
Speed	50MHz	Mounting Type	Surface Mount
Series	HCS12X	EEPROM Size	4K x 8
RAM Size	32K x 8	Data Converters	A/D 24x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	512KB (512K x 8)	Core Processor	HCS12X
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI
Package / Case	144-LQFP	Base Product Number	S912
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. S912XEQ512BVAG

Product Attribute				
Part Number	S912XEQ512BVAG	S912XEQ512J3MAG	S912XEQ512BVALR	S912XEQ512F1VAL
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Supplier Device Package	144-LQFP (20x20)	144-LQFP (20x20)	112-LQFP (20x20)	112-LQFP (20x20)
Base Product Number	S912	S912	S912	S912
Core Processor	HCS12X	HCS12X	HCS12X	HCS12X
Data Converters	A/D 24x12b	A/D 24x12b	A/D 16x12b	A/D 16x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
RAM Size	32K x 8	32K x 8	32K x 8	32K x 8
Oscillator Type	External	External	External	External
Speed	50MHz	50MHz	50MHz	50MHz
Package	Tray	Tray	Tape & Reel (TR)	Tray
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI	CANbus, EBI/EMI, I ² C, IrDA, SCI, SPI
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)
Series	HCS12X	HCS12X	HCS12X	HCS12X
Voltage - Supply (Vcc/Vdd)	1.72V ~ 5.5V	1.72V ~ 5.5V	1.72V ~ 5.5V	1.72V ~ 5.5V
Package / Case	144-LQFP	144-LQFP	112-LQFP	112-LQFP
Number of I/O	119	119	91	91

S912XEQ512BVAG Datasheet PDF

Download S912XEQ512BVAG pdf datasheets and NXP USA Inc. documentation for S912XEQ512BVAG - NXP USA Inc..

Datasheets


[MC912XEP100 Datasheet.pdf](#)


PCN Packaging

[All Dev Label Update 15/Dec/2020.pdf](#)

[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products



S912XEQ512J3MAG

NXP USA Inc.
IC MCU 16BIT 512KB FLASH
144LQFP



S912XEQ512BVALR

NXP USA Inc.
IC MCU 16BIT 512KB FLASH
112LQFP



S912XEQ512F1VAL

NXP USA Inc.
IC MCU 16BIT 512KB FLASH
112LQFP



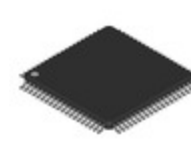
S912XEQ512BCAA

NXP USA Inc.
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ512F1MAG

NXP USA Inc.
IC MCU 16BIT 512KB FLASH
144LQFP



S912XEQ512J2MAA

Freescale Semiconductor
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ384J3VAGR

NXP USA Inc.
IC MCU 16BIT 384KB FLASH
144LQFP



S912XEQ512J3MAA

NXP USA Inc.
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ384J3MALR

Freescale Semiconductor
IC MCU 16BIT 384KB FLASH
112LQFP



S912XEQ512BMAA

NXP USA Inc.
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ512J2MAA

NXP USA Inc.
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ512BCAG

Freescale Semiconductor
IC MCU 16BIT 512KB FLASH
144LQFP



S912XEQ384J3VAL

NXP USA Inc.
IC MCU 16BIT 384KB FLASH
112LQFP



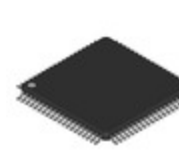
S912XEQ384J3VAL

Freescale Semiconductor
IC MCU 16BIT 384KB FLASH
112LQFP



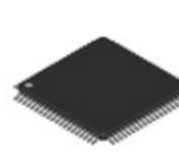
S912XEQ512BCAG

NXP USA Inc.
IC MCU 16BIT 512KB FLASH
144LQFP



S912XEQ512F1MAA

Freescale Semiconductor
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ512J3MAA

Freescale Semiconductor
IC MCU 16BIT 512KB FLASH 80QFP



S912XEQ512F1MAA

NXP USA Inc.
IC MCU 16BIT 512KB FLASH 80QFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00


Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.




Your Faithful Supply Chain Partner -

 Efficient Supply Management

 Cost-Saving Procurement

 Fast Sourcing & Delivery

Contact us if you have any questions.

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 Email
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Certifications & Memberships



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